

FIG. 1

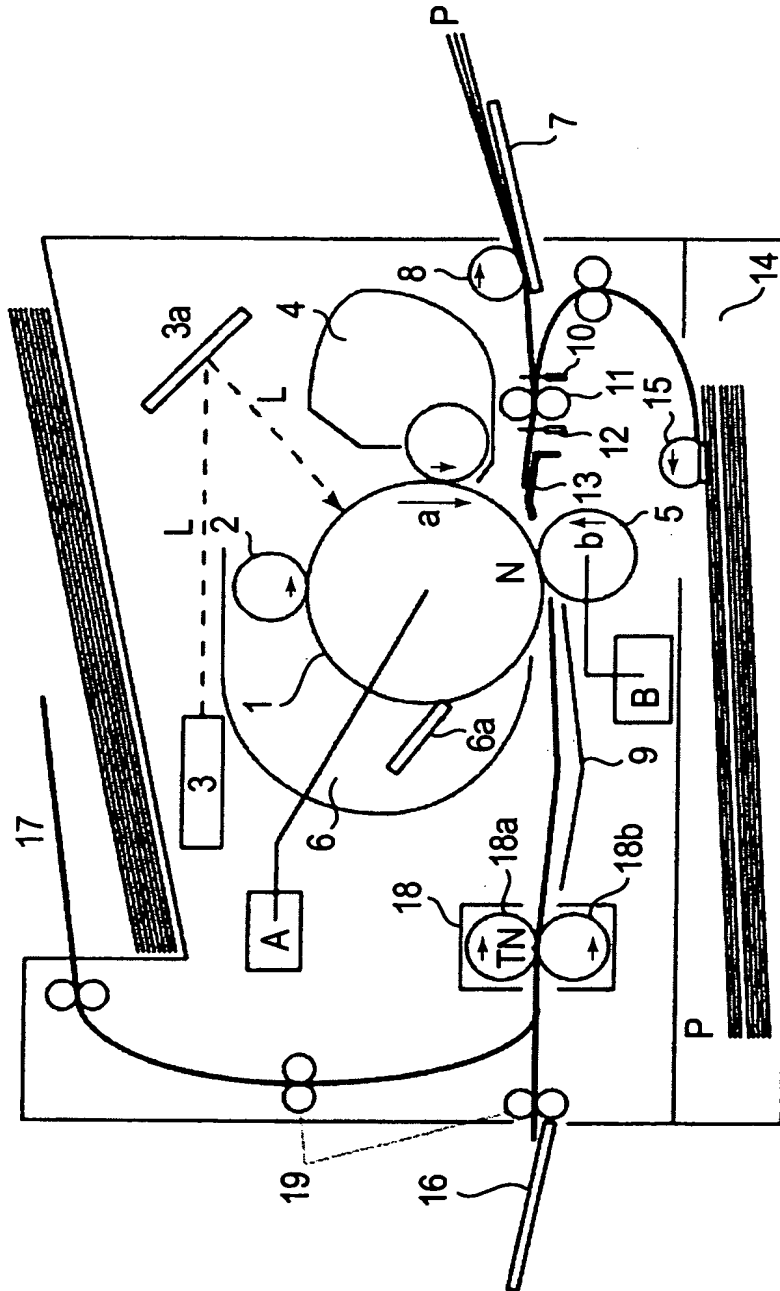
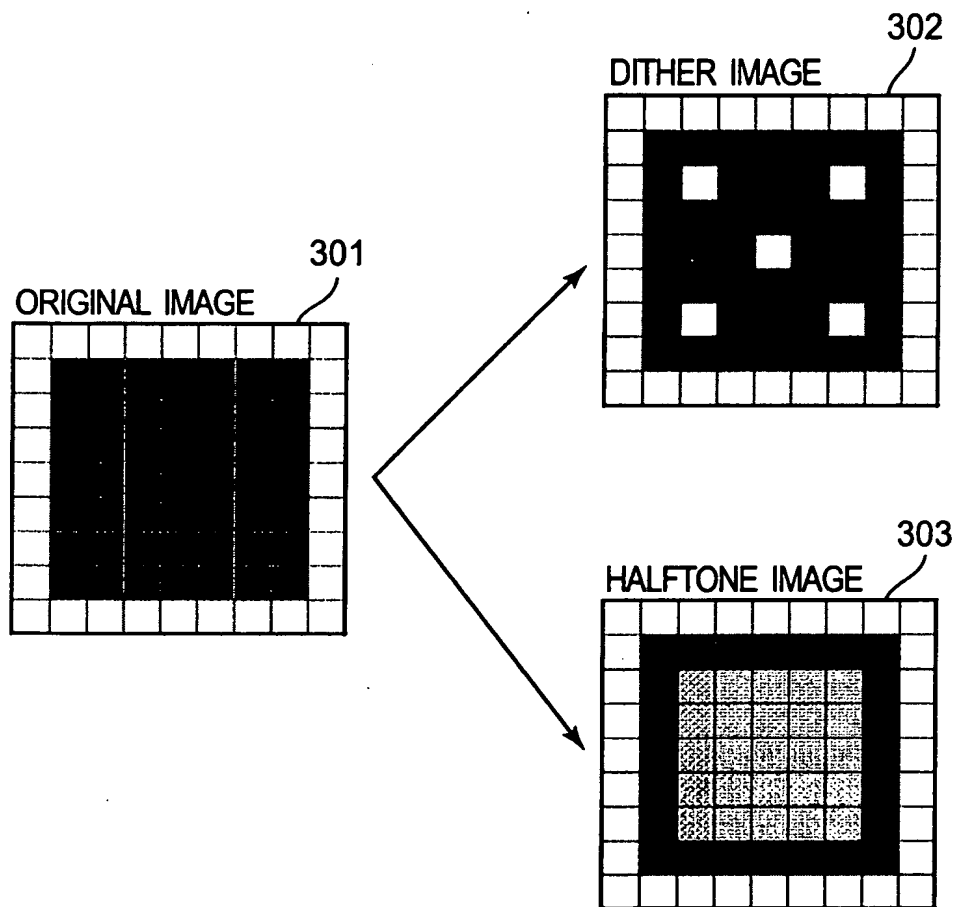


FIG. 2

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**FIG.3**

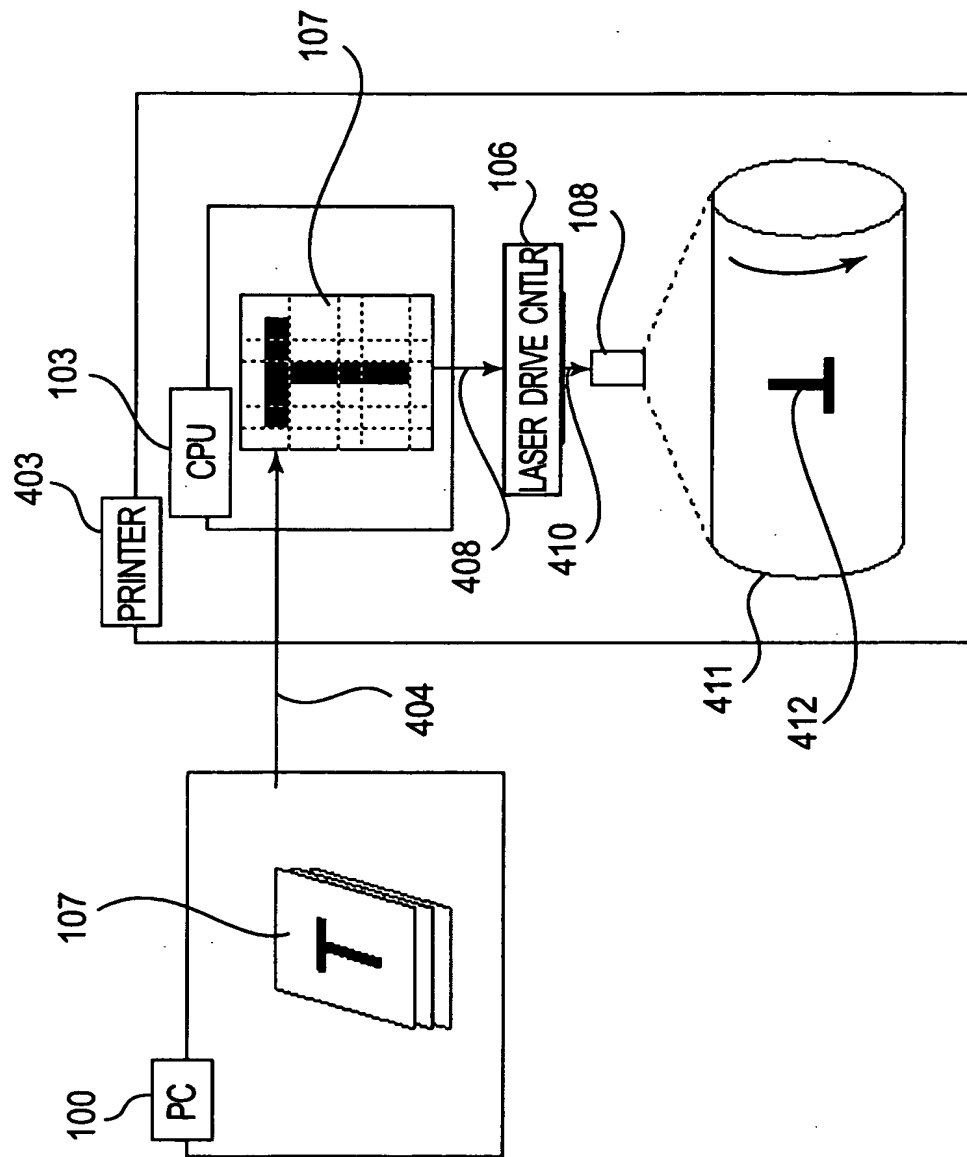
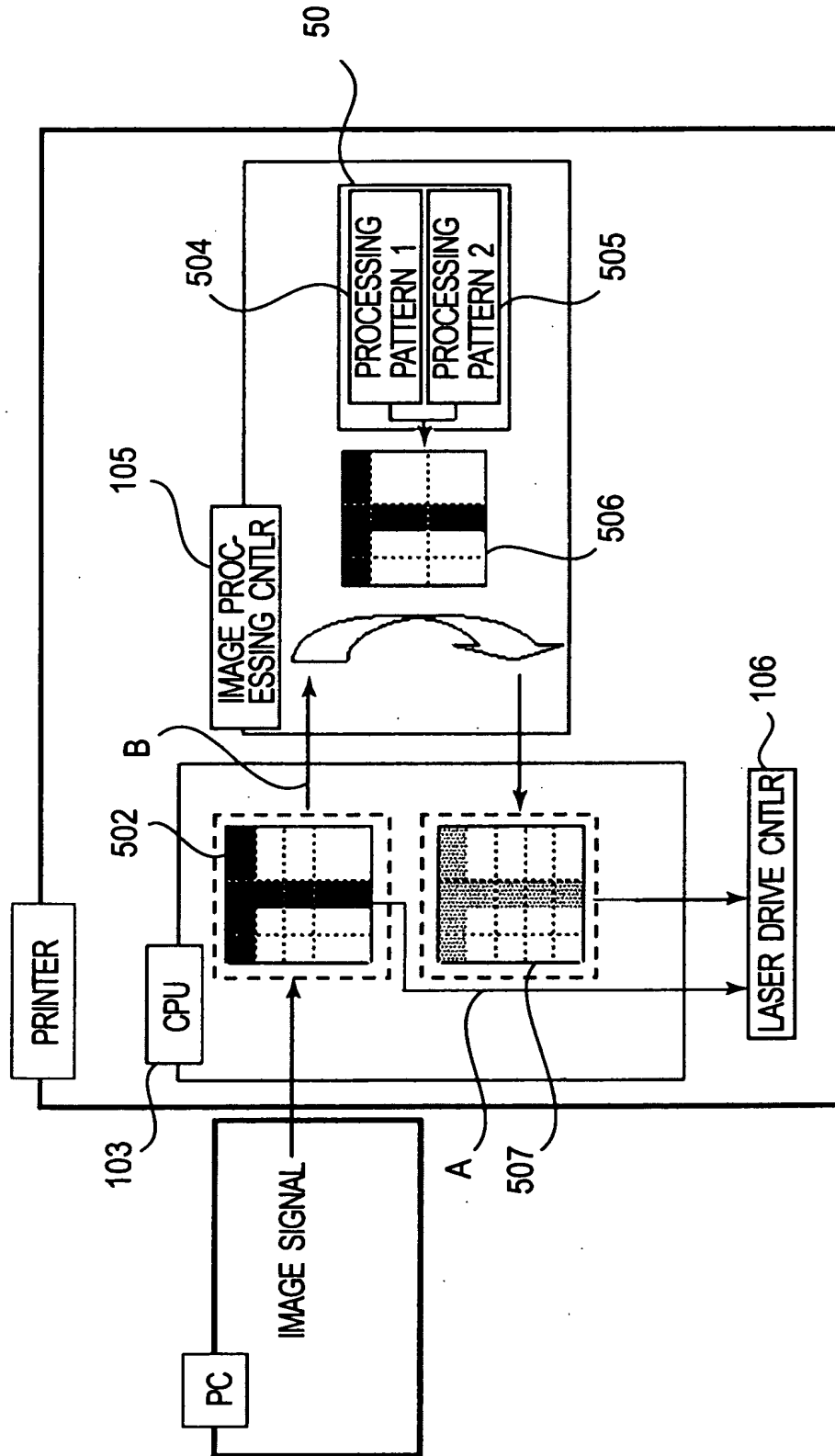


FIG. 4



F/G.5

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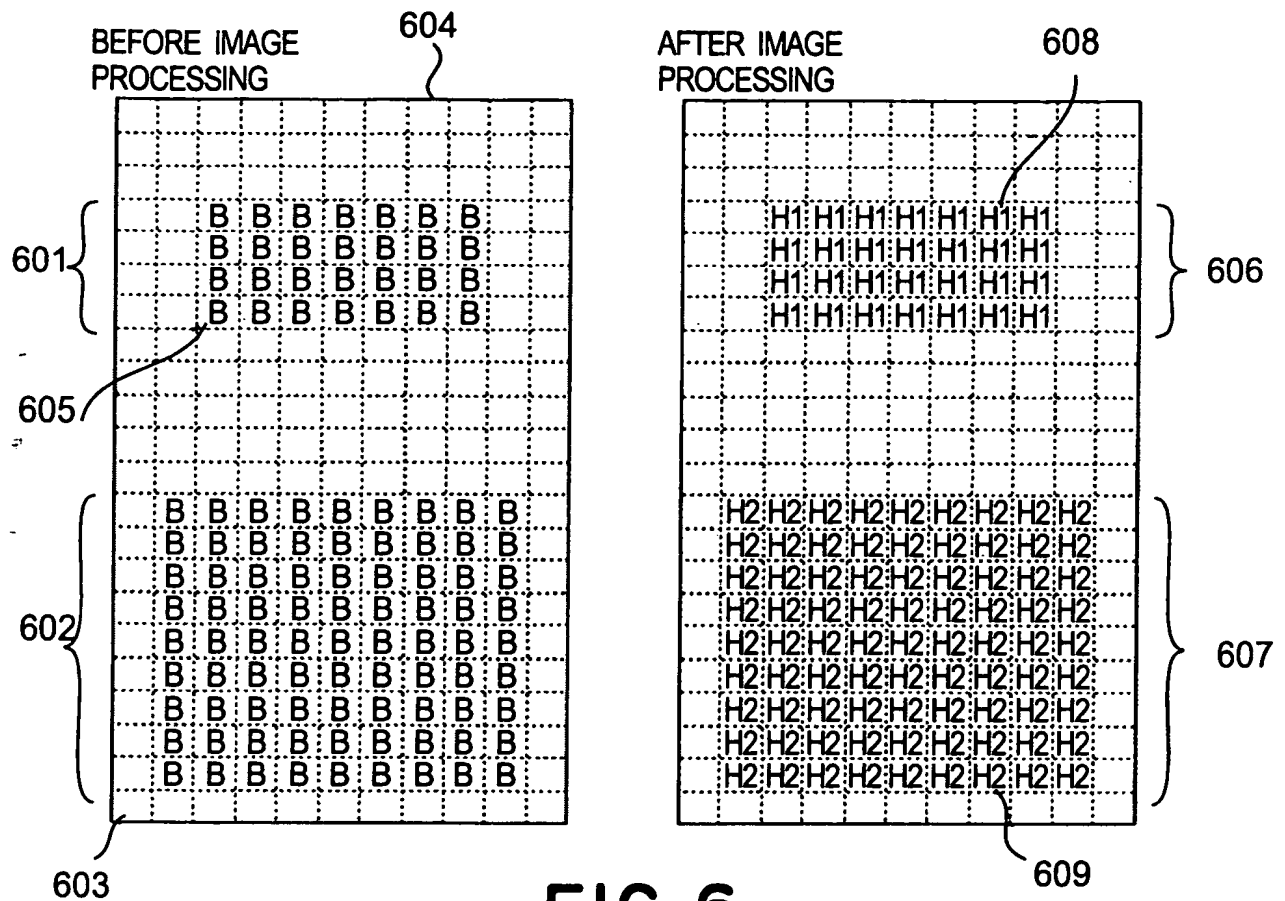


FIG. 6

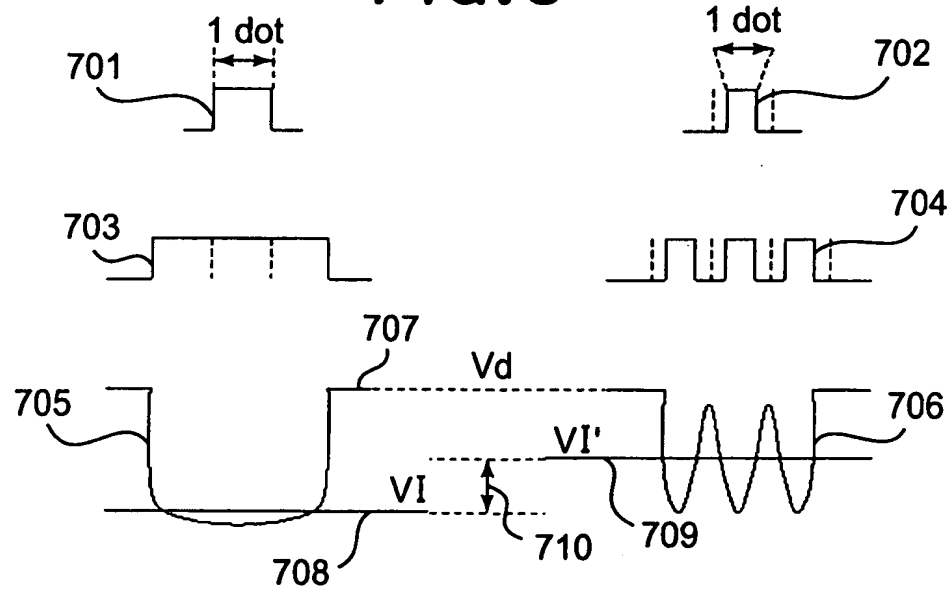
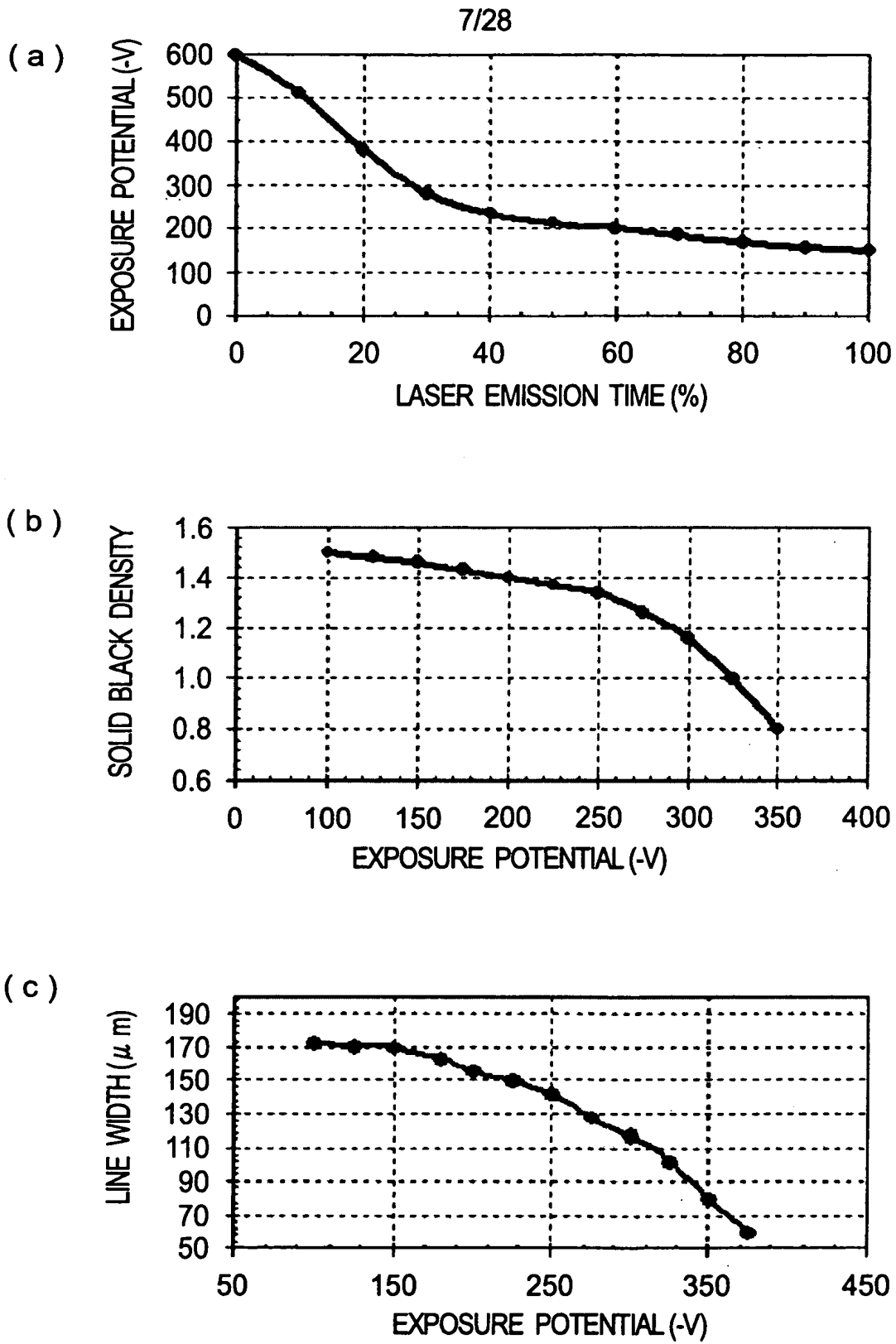
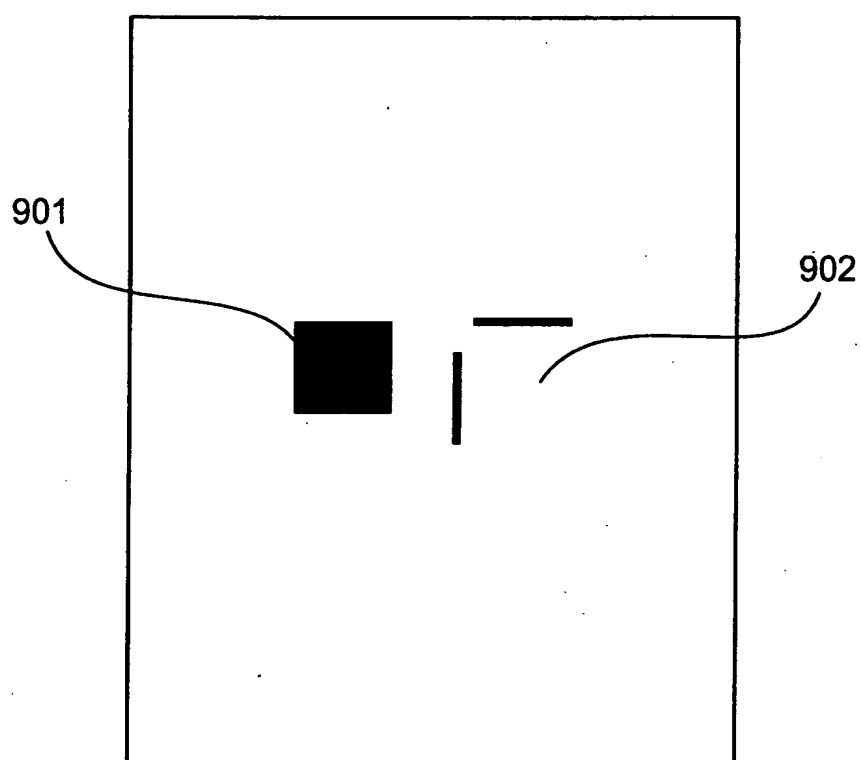


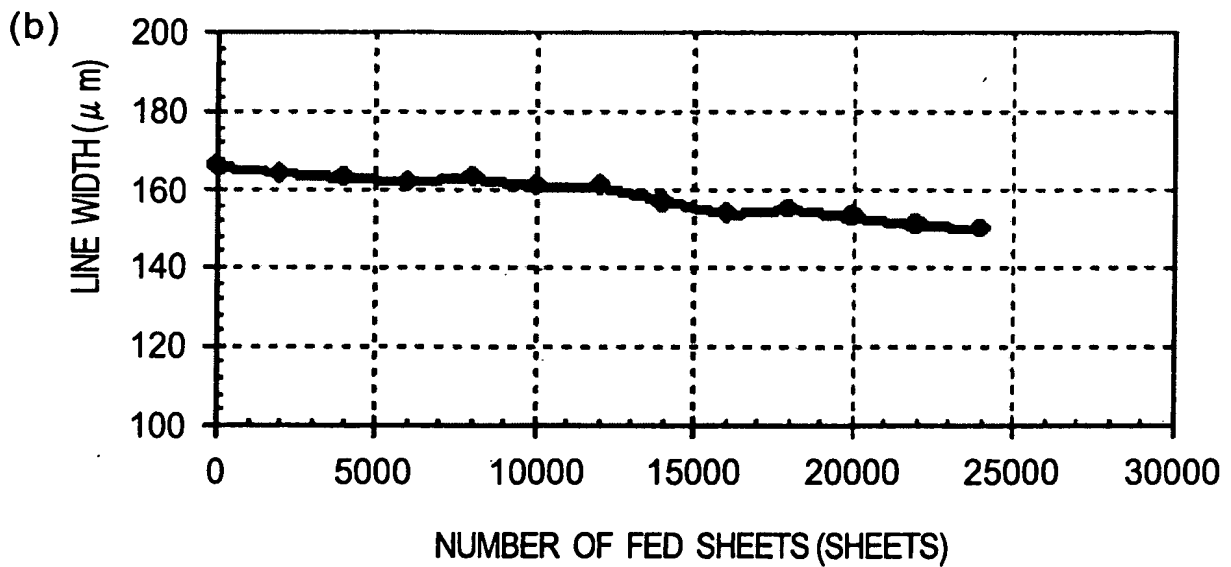
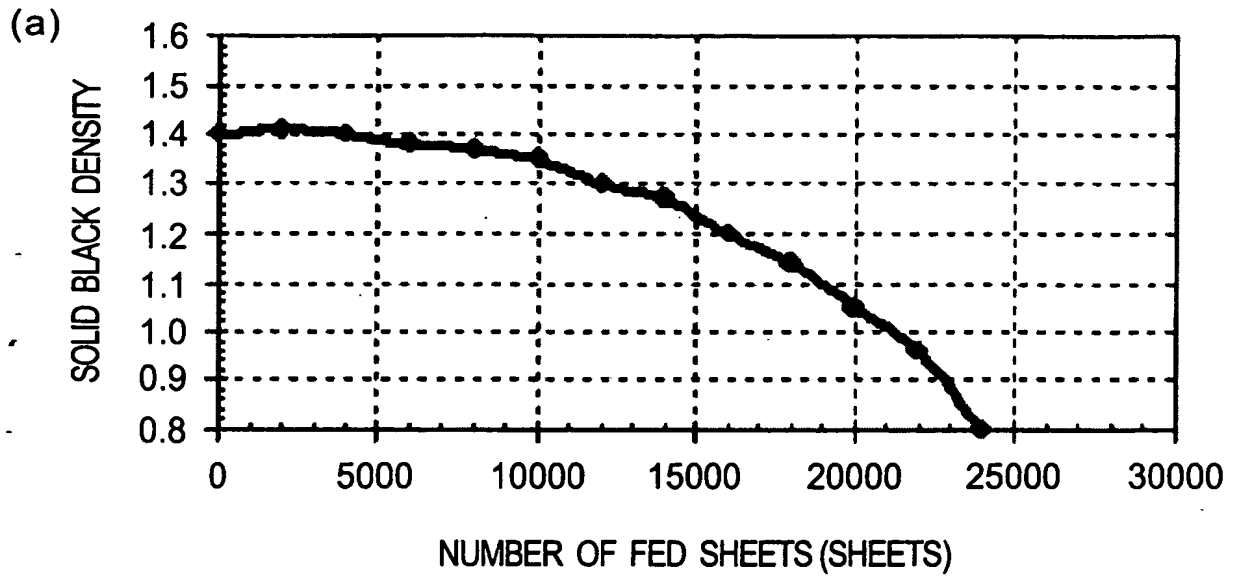
FIG. 7

**FIG.8**

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**FIG. 9**

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**FIG. 10**

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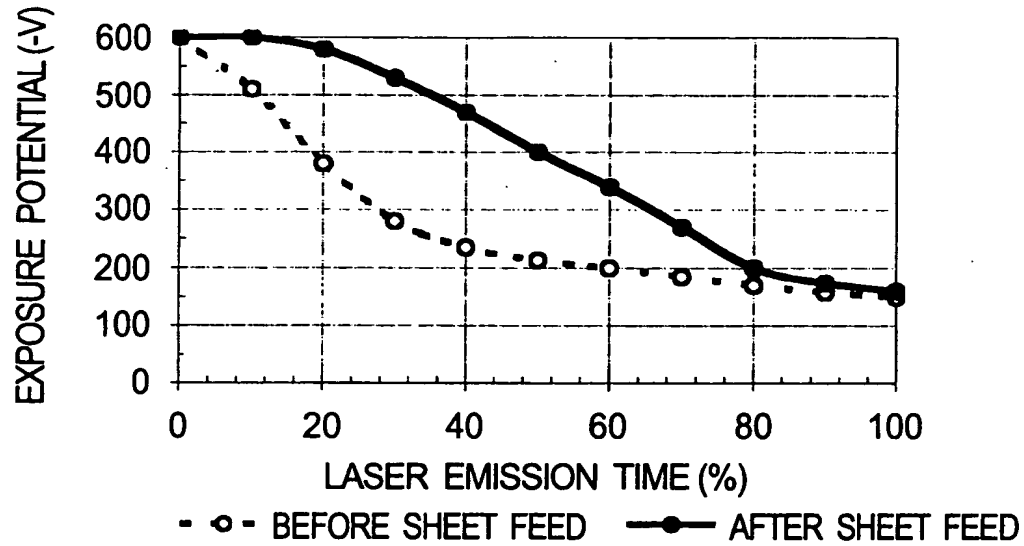


FIG. 11

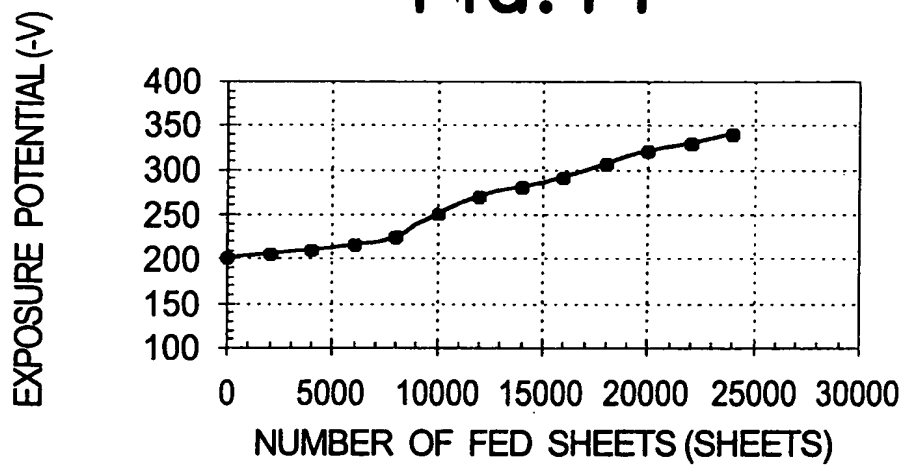


FIG. 12

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DRUM USAGE	REFERENCE EMISSION TIME
0	63nsec
37750	68nsec
75500	73nsec
113250	78nsec
151000	84nsec
181200	-

FIG. 13

LOW CONSUMPTION MODE	DRUM USAGE	REFERENCE EMISSION TIME
MODE 1	0	63nsec
MODE 2	37750	68nsec
MODE 3	75500	73nsec
MODE 4	113250	78nsec
MODE 5	151000	84nsec
MODE 6	181200	-

FIG. 14

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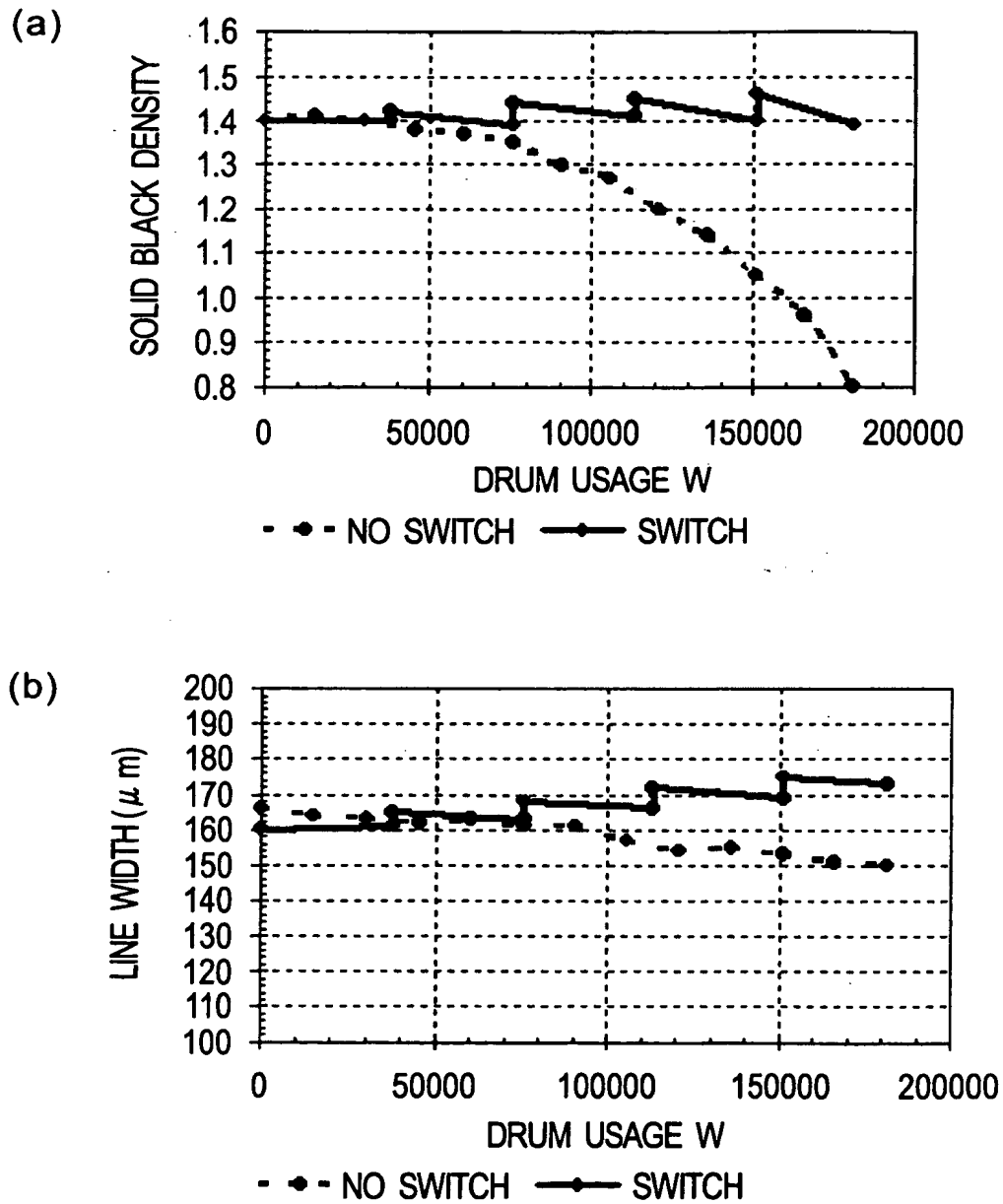
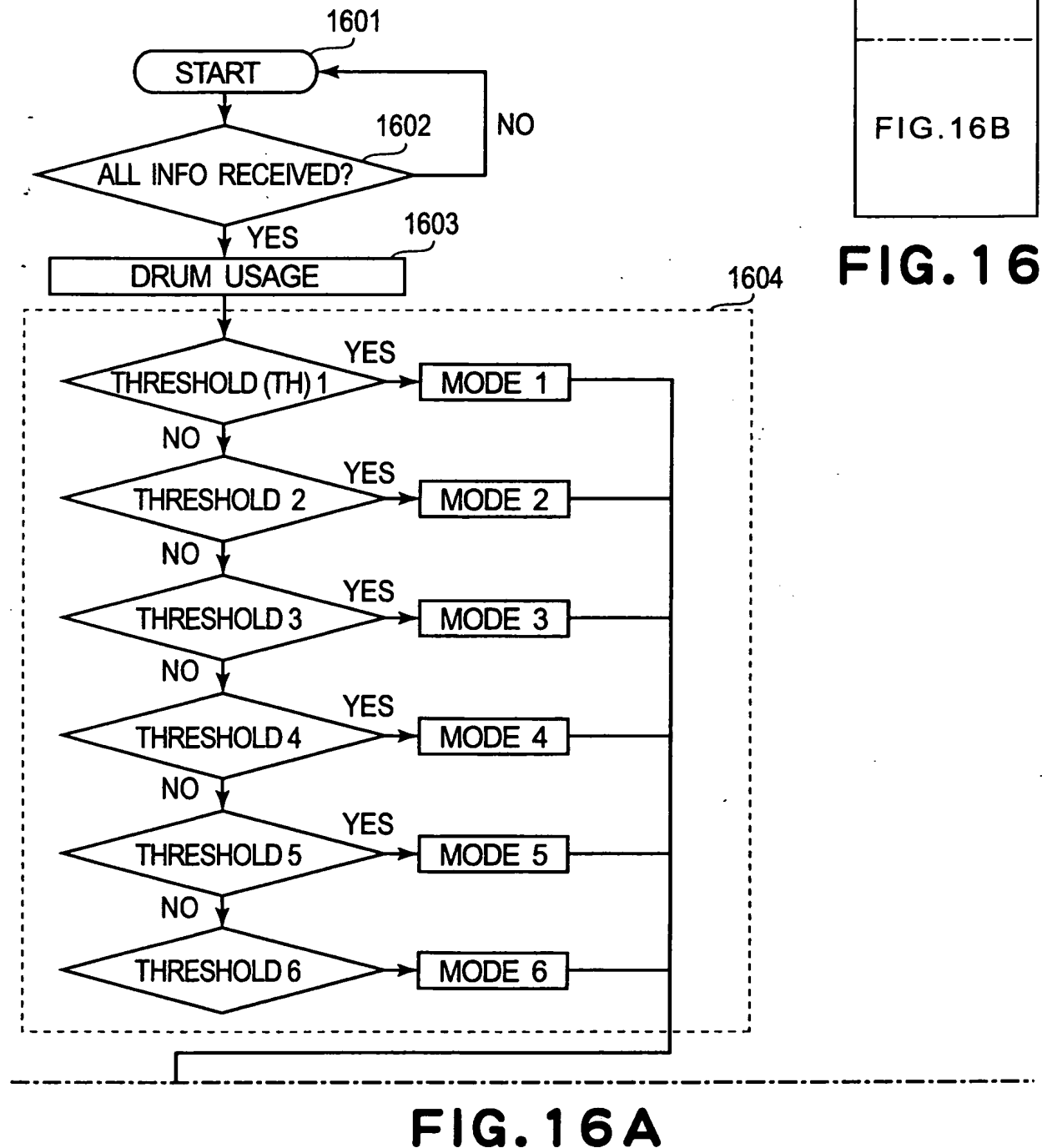
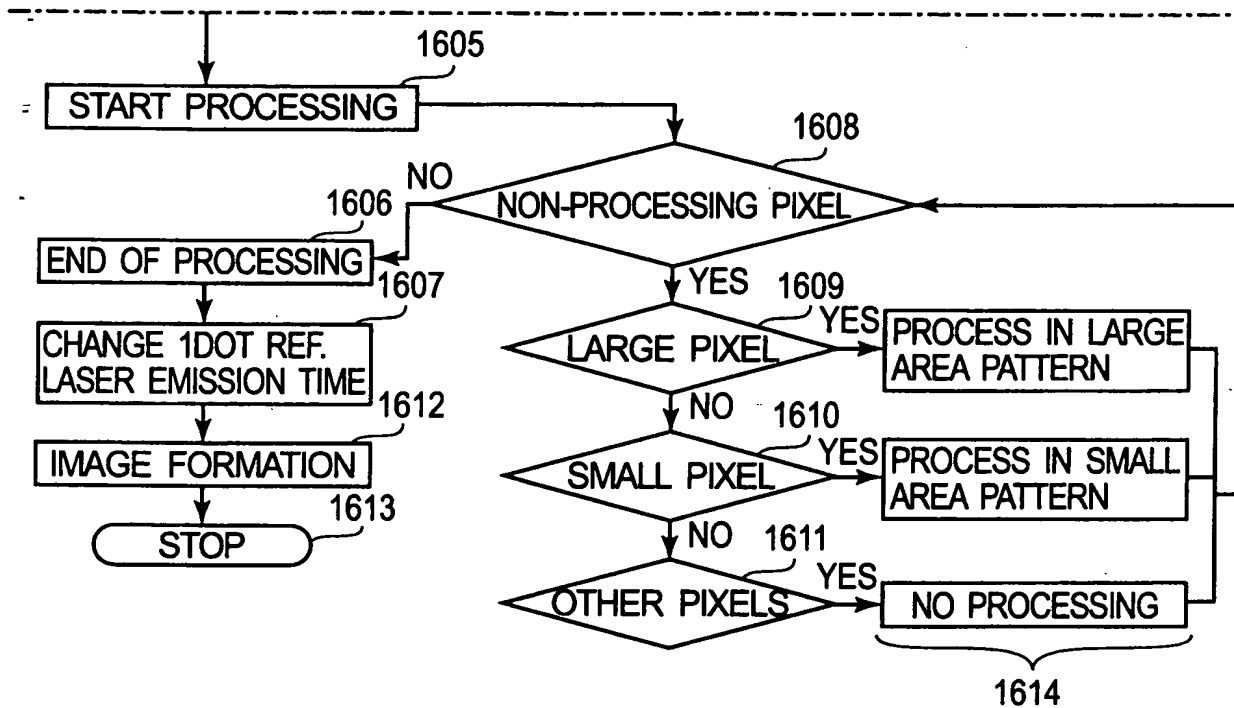


FIG. 15



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**FIG. 16B**

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DRUM USAGE	LASER EMISSION TIME	PROPORTION TO REF. EMISSION TIME
0	28nsec	80%
37750	28nsec	80%
75500	32nsec	83%
113250	36nsec	85%
151000	40nsec	88%
181200	44nsec	90%

FIG. 17

MODE	DRUM USAGE	LINE IMAGE	SOLID BLACK IMAGE
MODE 1	0	80%	60%
MODE 2	105700	83%	65%
MODE 3	120800	85%	70%
MODE 4	135900	88%	75%
MODE 5	151000	90%	80%
MODE 6	166100	-	-

FIG. 18

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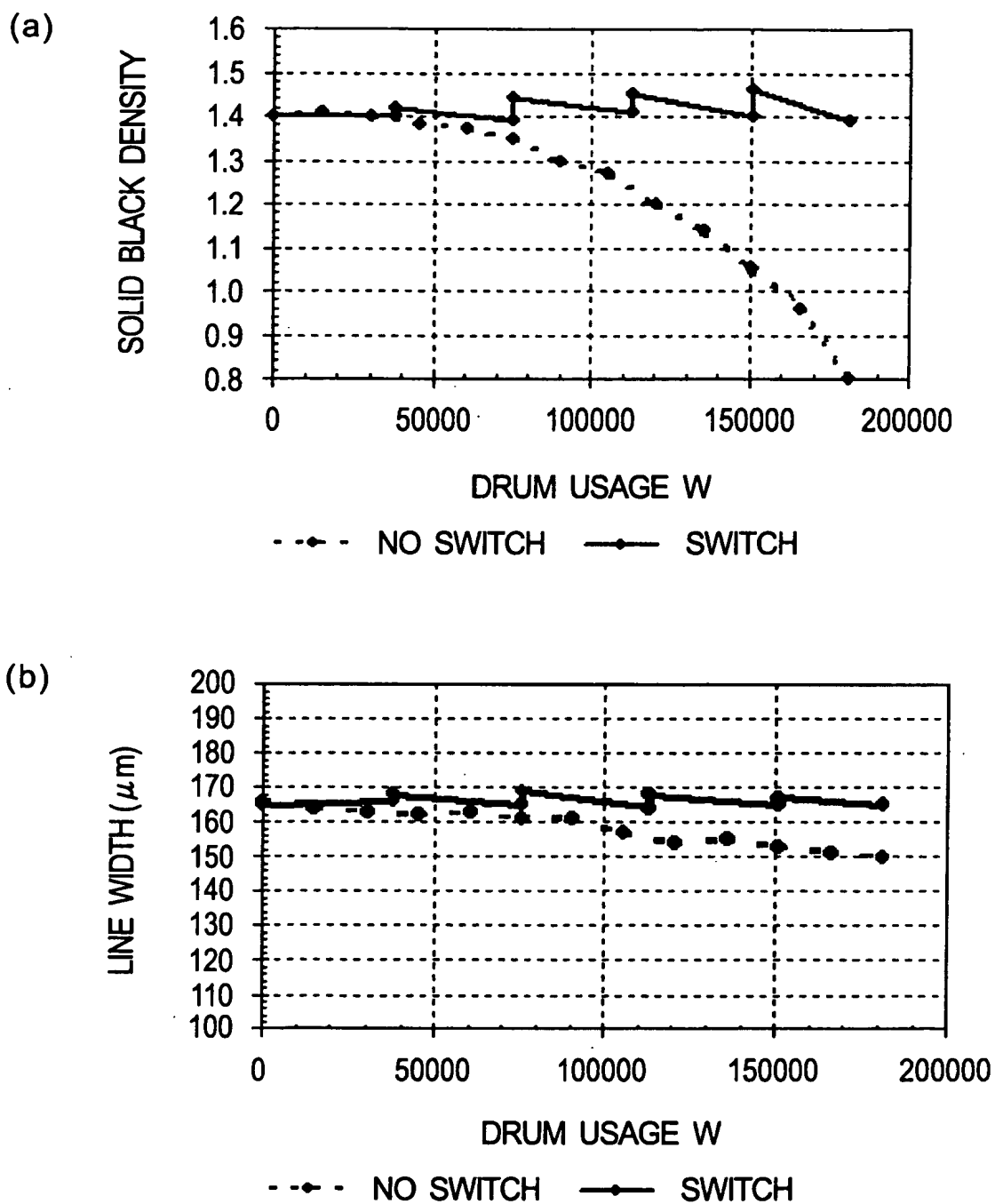
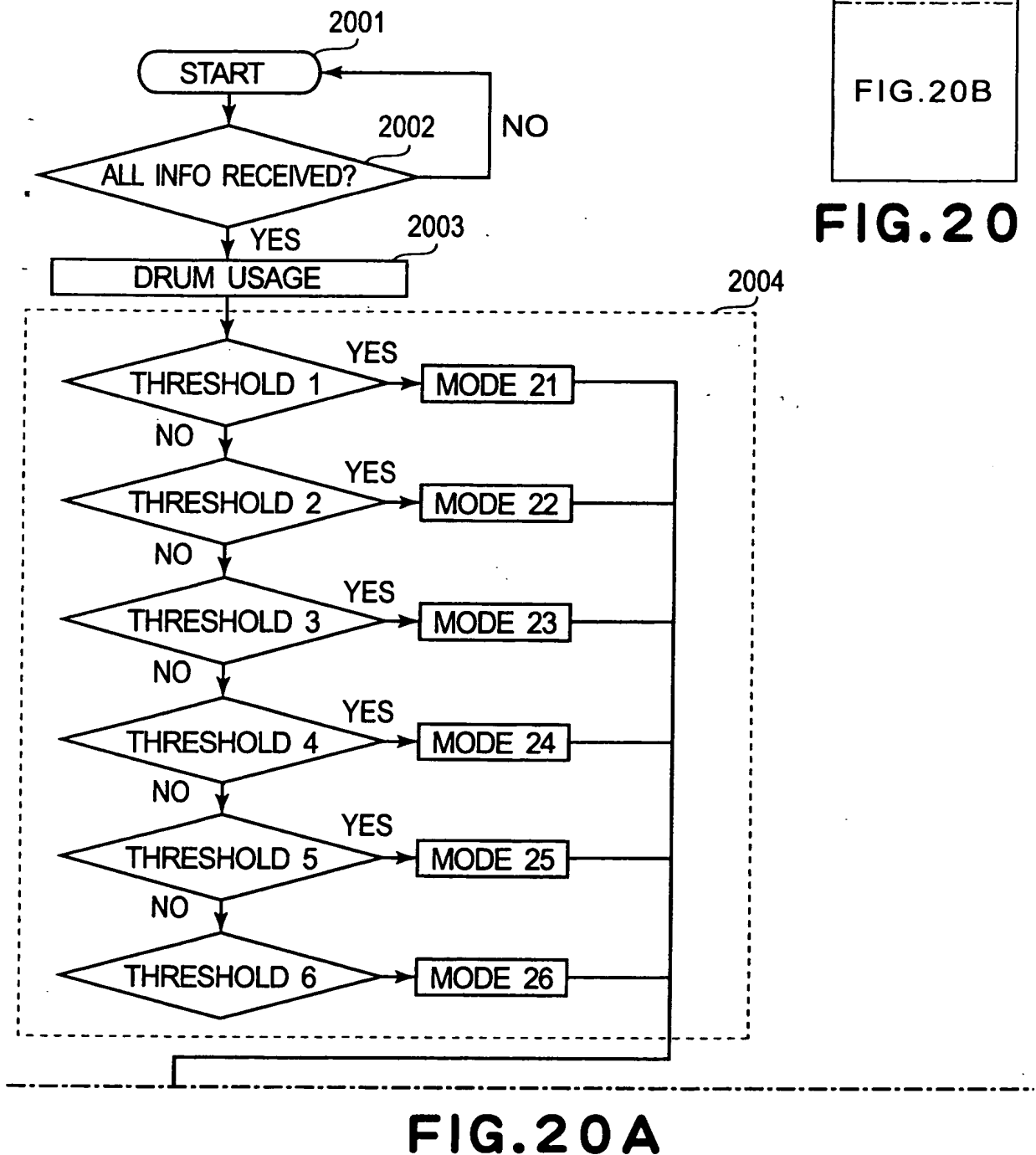


FIG. 19



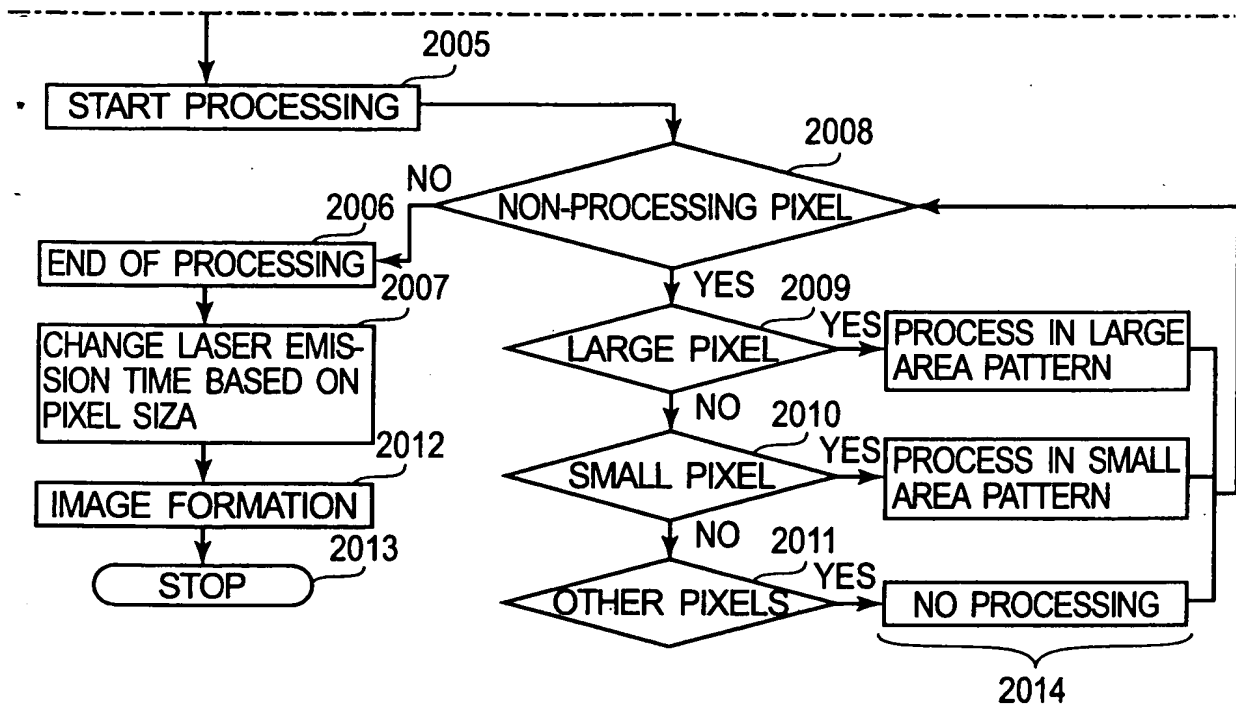
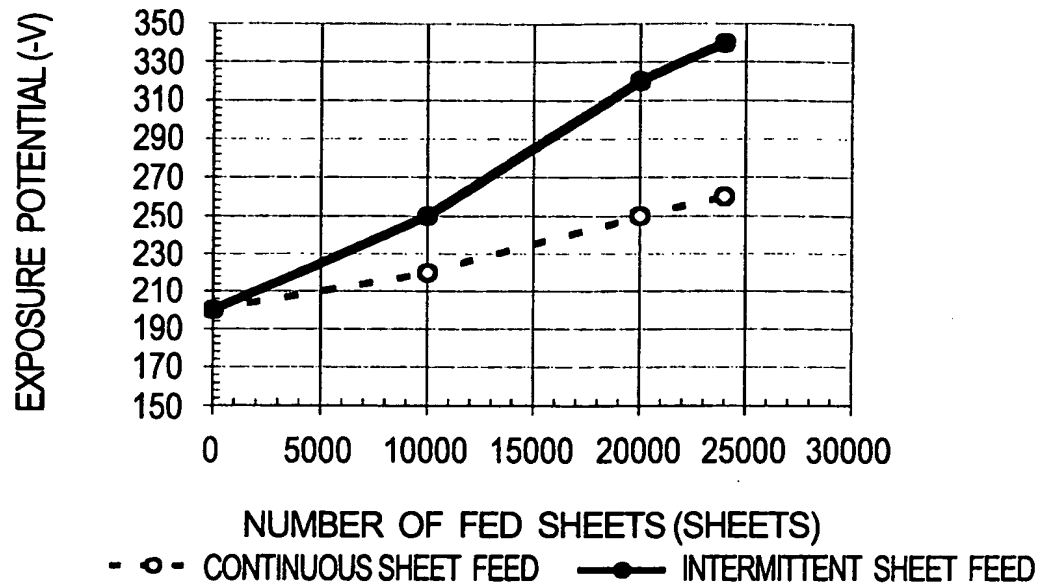


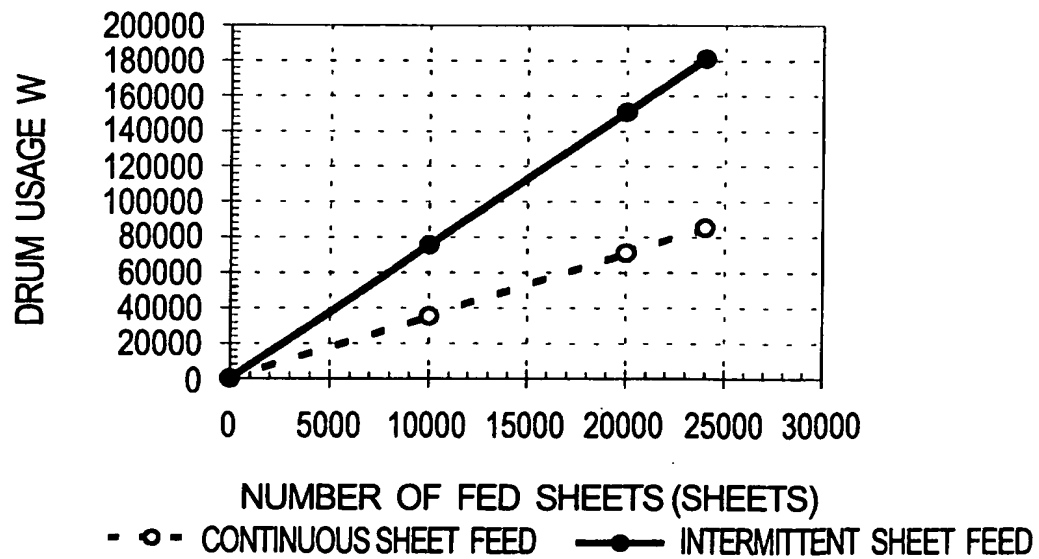
FIG. 20B

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**FIG.21**

	APPLICATION TIME				CONTINUOUS TIME	INTERMITTENT TIME
	PRE-ROTATION	SHEET FEED	POST-ROTATION	SHEET INTERVAL		
Pt	2.0	1.7	2.0	1.0	2.7	5.7
Dt	2.5	1.7	2.5	1.0	2.7	6.7

(sec)

FIG.22**FIG.23**

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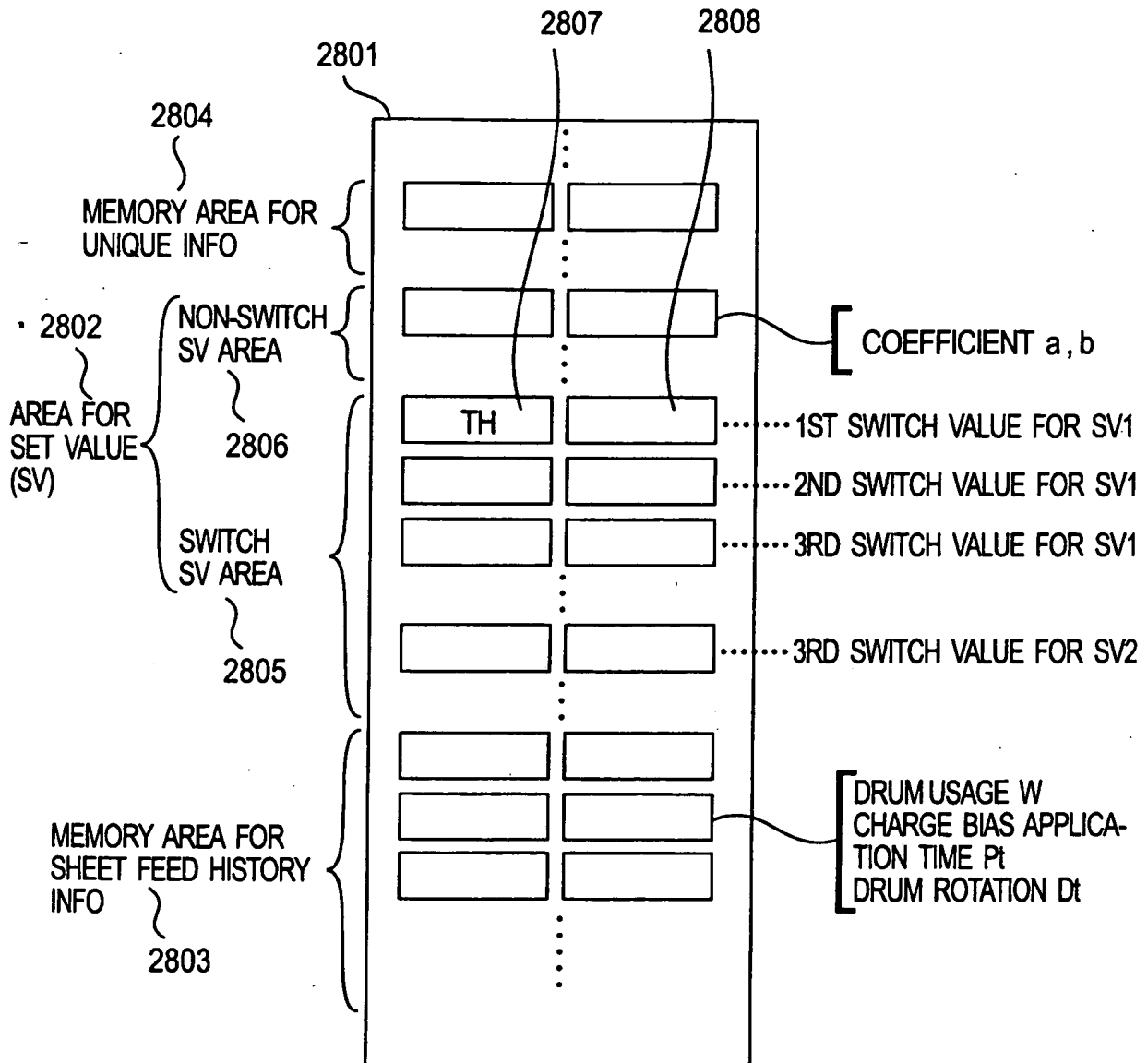


FIG.24

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DRUM USAGE	LASER LIGHT QUALITY
0	2.4 mJ/m ²
37750	2.4 mJ/m ²
75500	2.6 mJ/m ²
113250	2.8 mJ/m ²
151000	3.0 mJ/m ²
181200	3.2 mJ/m ²

FIG.25

THRESHOLD	DRUM USAGE	LASER LIGHT QUALITY
TH 1	0	2.4 mJ/m ²
TH 2	37750	2.6 mJ/m ²
TH 3	75500	2.8 mJ/m ²
TH 4	113250	3.0 mJ/m ²
TH 5	151000	3.2 mJ/m ²
TH 6	181200	-

FIG.26

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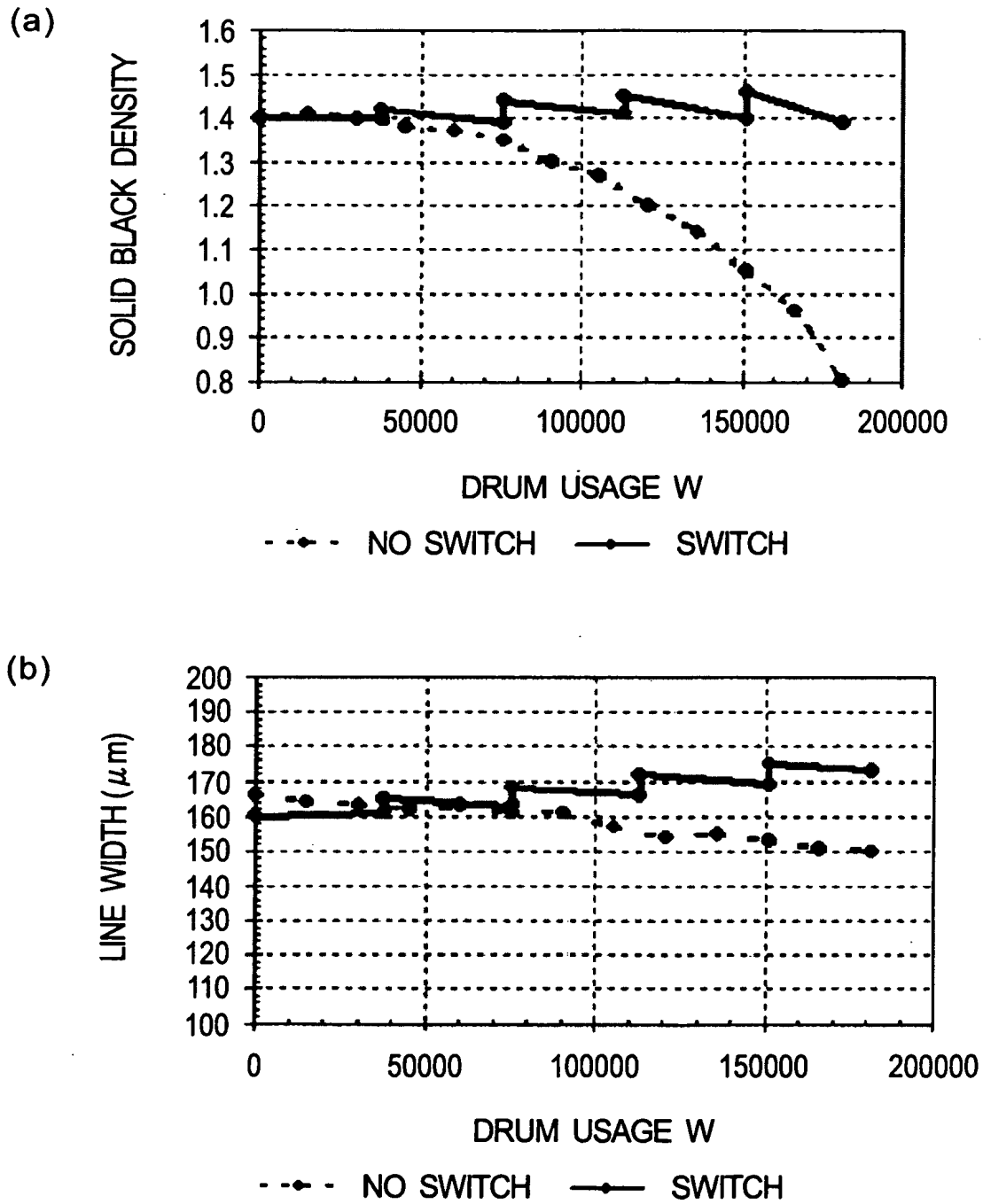


FIG.27

FIG.28A

FIG.28B

FIG.28

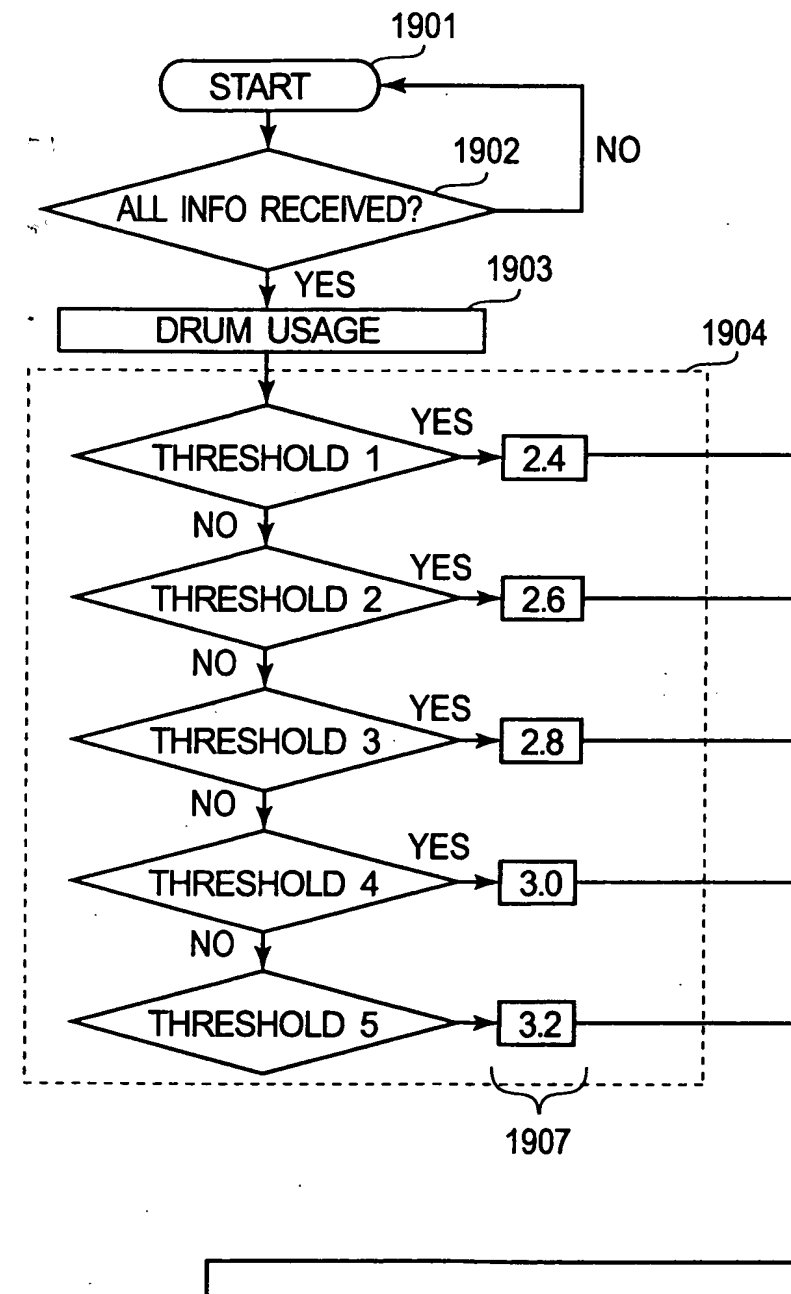
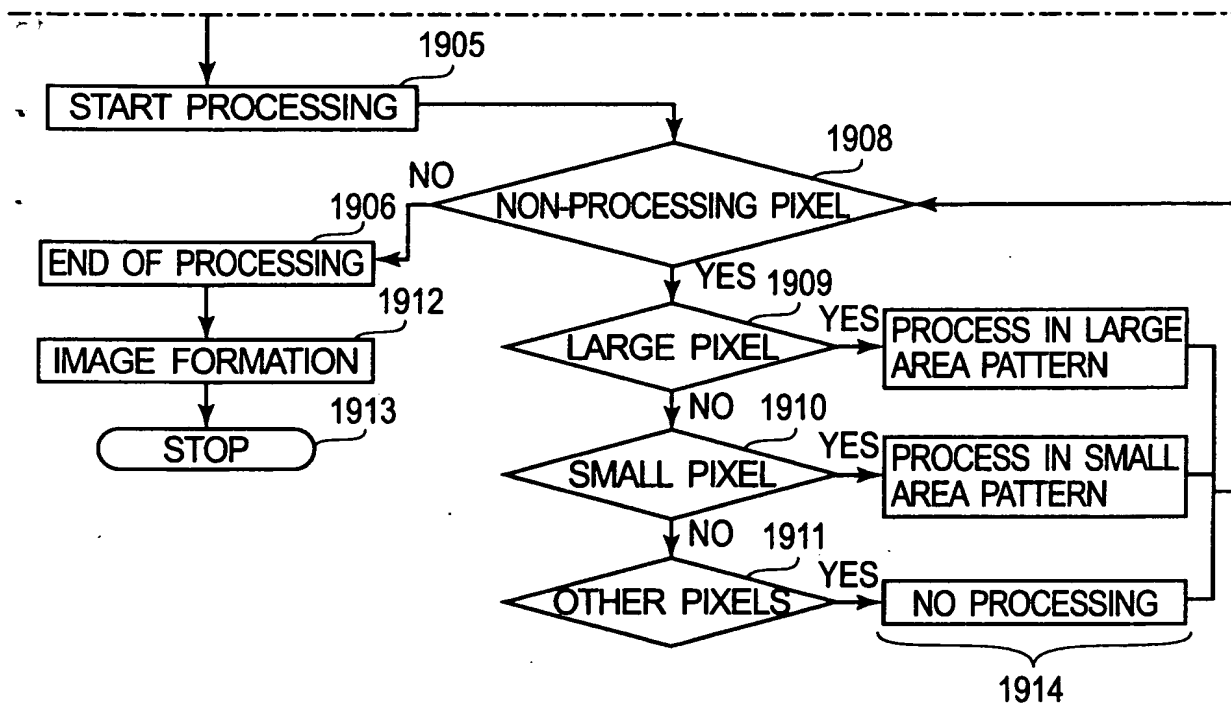
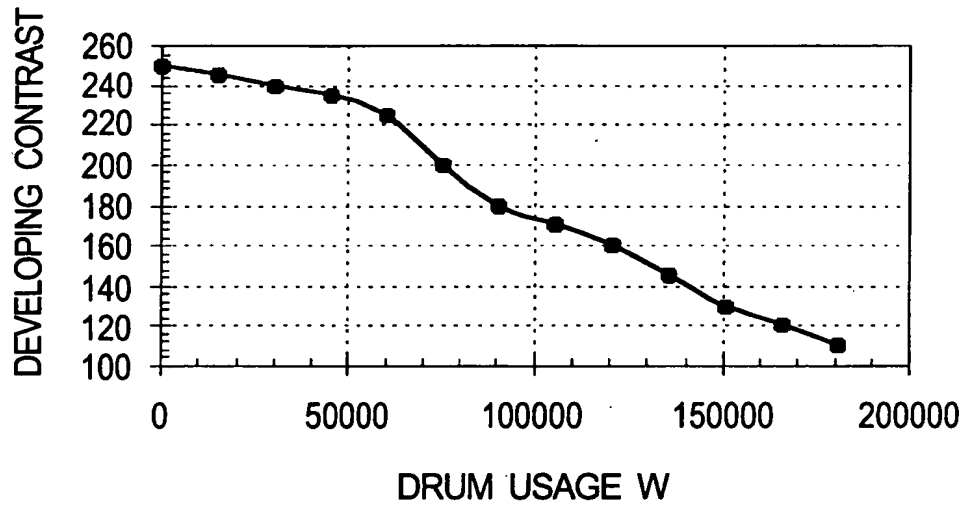


FIG.28A

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**FIG.28B**

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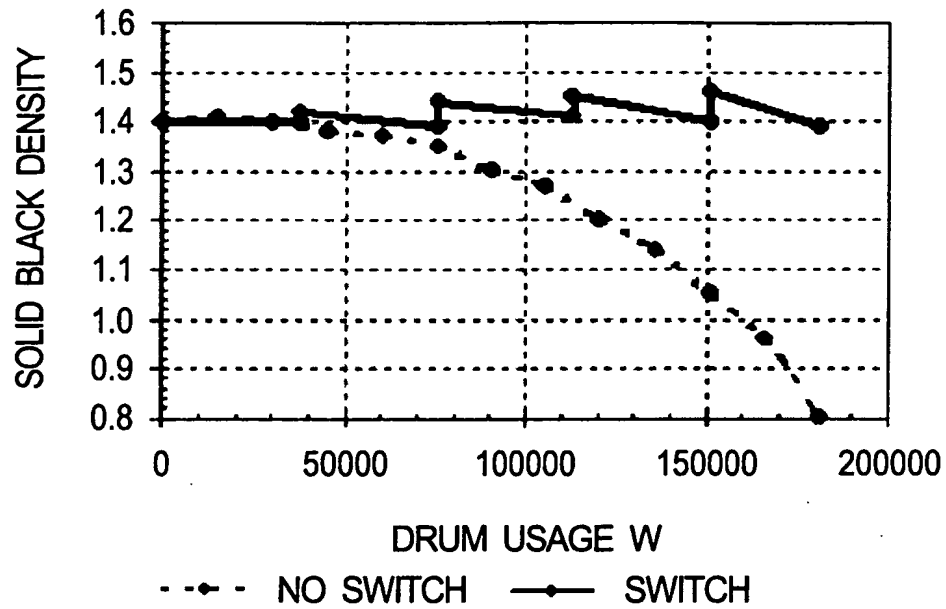
**FIG.29**

THRESHOLD	DRUM USAGE	CHARGING BIAS DC COMPONENT	DEVELOPING BIAS DC COMPONENT
TH 1	0	-600V	-450V
TH 2	37750	-640V	-490V
TH 3	75500	-690V	-530V
TH 4	113250	-720V	-570V
TH 5	151000	-750V	-600V
TH 6	181200	-	-

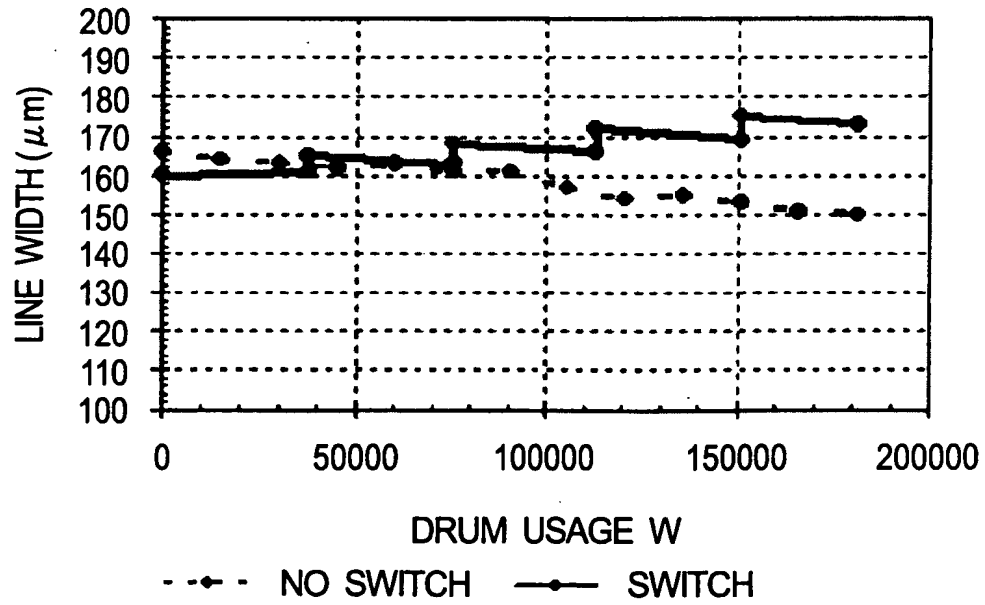
FIG.30

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(a)



(b)

**FIG.3 1**

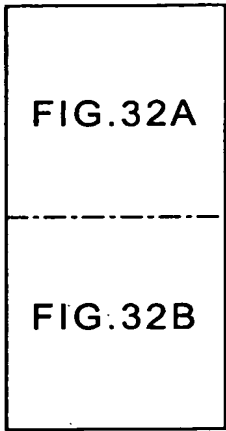


FIG. 32

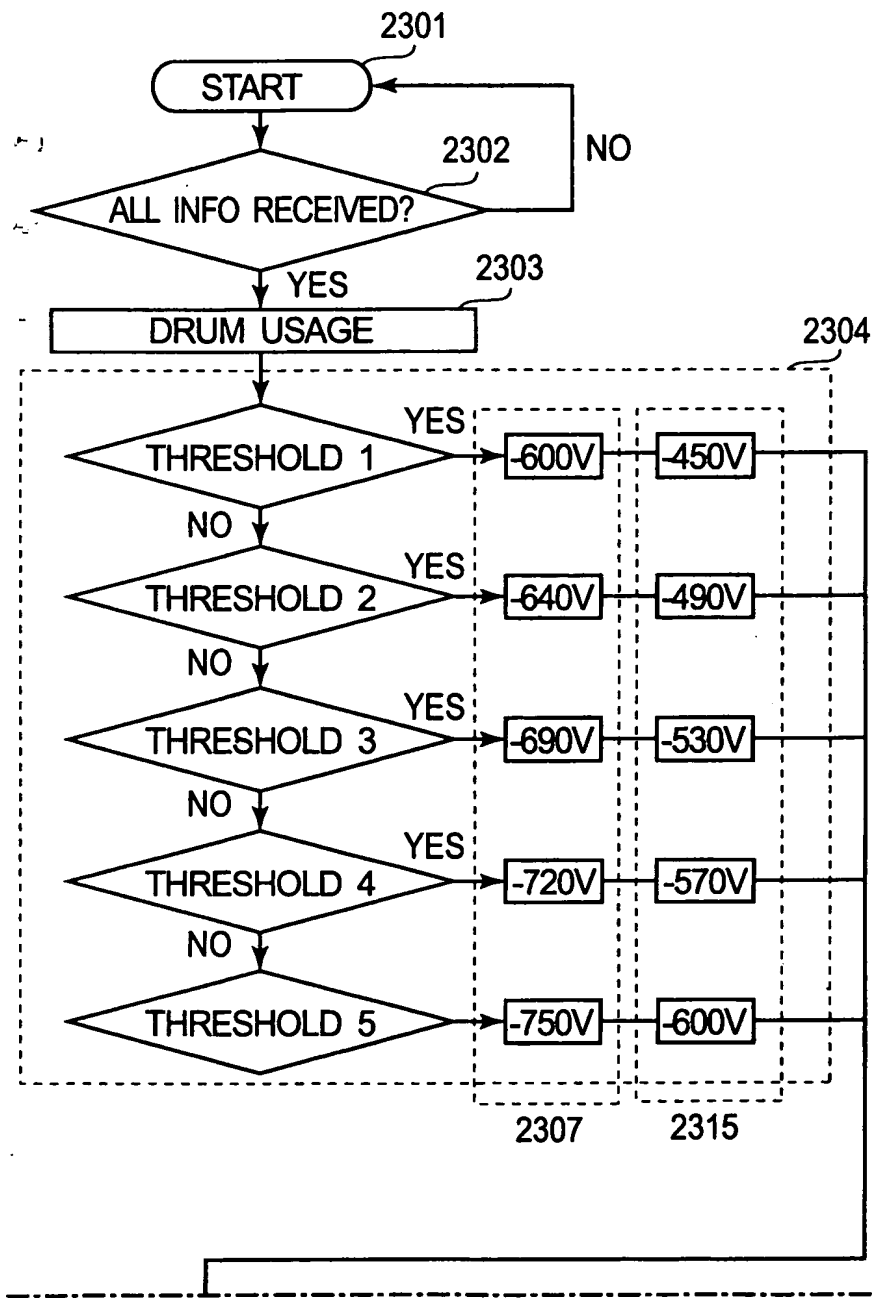


FIG. 32A

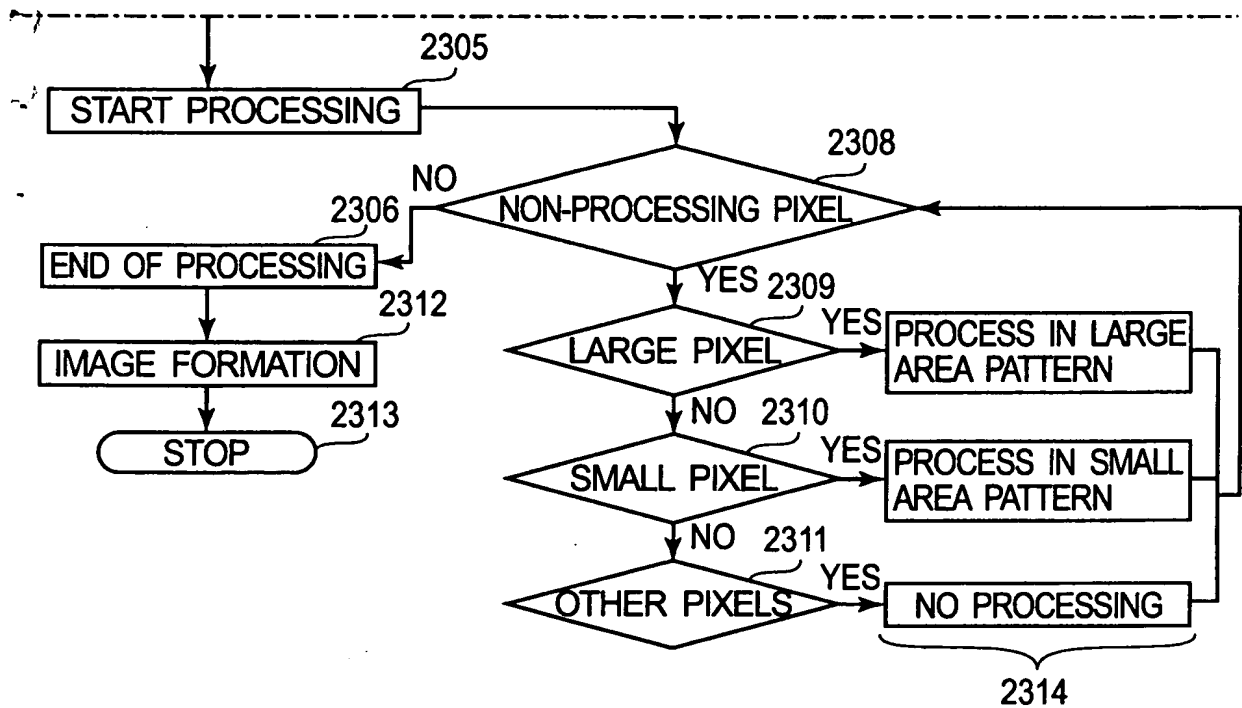


FIG. 32B

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